

## PATENT ABSTRACTS OF JAPAN

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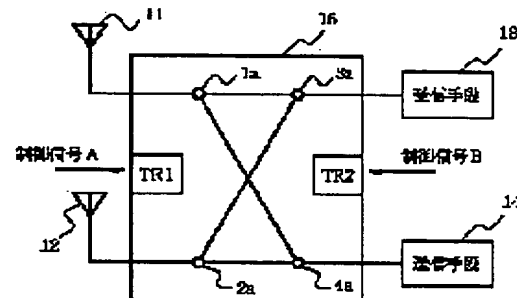
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## (54) RADIO COMMUNICATION DEVICE

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To improve the antenna gain owing to reduction of the insertion loss by securing a single circuit constitution for a changeover switch which is placed between a receiving-only antenna and a transmitting/receiving shared antenna and also between the receiving and transmitting means to switch both antennas.

**SOLUTION:** A changeover switch 15 has a single circuit constitution and is placed between a receiving-only antenna 11 and a transmitting/receiving shared antenna 12 and also between a receiving means 13 and a transmitting means 14. In a receiving process, the switch 15 performs the switching between a receiving-only terminal 1a and a transmitting/receiving shared terminal 2a in response to each receiving level and connects them to a receiving output terminal 3a. In a transmitting process, the switch 15 connects a transmitting input terminal 4a to the terminal 2a. Thus, the antennas used for the transmitting and receiving processes are switched to each other by the switch 15 and accordingly a radio communication device has a simple constitution to perform the antenna switching processing via the reception of diversity. Then the antenna gain is improved owing to reduction of the insertion loss.



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